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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/813,277	03/31/2004	Kalle Tammi	59643.00385	5420

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SQUIRE, SANDERS & DEMPSEY L.L.P.
14TH FLOOR
8000 TOWERS CRESCENT
TYSONS CORNER, VA 22182

EXAMINER

RAMPURIA, SHARAD K

ART UNIT PAPER NUMBER

2617

DATE MAILED: 05/12/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/813,277

Applicant(s)

TAMMI ET AL.

Examiner

Sharad Rampuria

Art Unit

2617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 31 March 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-22 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-22 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 31 March 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

I. The Art Unit location of this application in the USPTO has changed. To abet in correlating any papers for this application, all further correspondence regarding this application should be directed to Art Unit 2617.

II. The current office-action is in response to the application filed on 03/31/2004.
Accordingly, Claims 1-22 are pending for further examination as follows:

Priority

III. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Oath/Declaration

IV. The office acknowledges receipt of a properly signed oath/declaration.

Drawings

V. The receipt of drawings filed on is accepted by examiner.

Information Disclosure Statement

VI. The Information Disclosure statement (IDS) submitted is in compliance with the provisions of 37 CFR 1.97. Accordingly, the examiner has considered the information disclosure statements.

Claim Rejections - 35 USC § 102

VII. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

VIII. Claims 1-22 are rejected under 35 U.S.C. 102 (b) as being anticipated by BAJKO et al. [WO 200291785 A1].

As per claim 1, BAJKO teaches:

A method of reassigning user data in a communications system, the user data comprising a plurality of identities for each user (Abstract, Pg.1; 5-8, Pg.10; 4-13), the method comprising the steps of:

Storing in a user information store a plurality of identities in association with a first serving controller, the plurality of identities being associated with respective registration statuses selected from a registered status and an unregistered status; detecting that a user has requested a registration to a second serving controller using at least one of said plurality of identities; issuing a registration termination request identifying the at least one of the plurality of identities, which has been newly assigned to the second serving controller as a result of the requested registration; (Pg.11; 21-Pg.14; 8), and

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Responsive to the registration termination request, i) issuing a re-registration notification to the user including the at least one of the plurality of identities which has a registered status and which was not assigned to the second serving controller as a result of the requested registration, and ii) disassociating all identities of the said user from the first serving controller. (Pg.14; 16-Pg.15; 21).

As per claim 2, BAJKO teaches:

A method according to claim 1, wherein the step of disassociating all identities of the said user from the first serving controller comprises removing the all identities and their data from the first serving controller, and removing their association in the user information store with the first serving controller. (i.e. ID's forced to move to the newly selected S-CSCF2; Pg.14; 30-Pg.15; 13).

As per claim 3, BAJKO teaches:

A method according to claim 1, wherein the plurality of identities include a set of unregistered statuses, and wherein the set is disassociated but not reassigned. (i.e. ID's forced to move to the newly selected S-CSCF2 or not; Pg.14; 30-Pg.15; 13).

As per claim 4, BAJKO teaches:

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A method according to claim 1, wherein the registration termination request includes a deregistration reason. (e.g based on timer value; Pg.15; 15-21).

As per claim 5, BAJKO teaches:

A method according to claim 4, wherein the deregistration reason in a 3GPP communication system comprises NEW_SERVER_ASSIGNED. (i.e. newly selected S-CSCF2; Pg.14; 1-3).

As per claim 6, BAJKO teaches:

A method according to claim 1, wherein the step of detecting that the user has requested registration comprises receiving at the user information store an authentication request. (Pg.12; 1-12, and 26-31).

As per claim 7, BAJKO teaches:

A method according to claim 1, wherein at least two users have a shared identity and a non-shared identity and the method further comprises a step of checking, when the non-shared identity has been newly assigned to the second serving controller, whether the user has the shared identity and, if so, issuing a re-registration notification to other users sharing the shared identity. (i.e. ID's; Pg.12; 1-31).

As per claim 8, BAJKO teaches:

A communications system (Abstract, Pg.1; 5-8, Pg.10; 4-13), comprising:

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A first serving controller (31; Fig.1); a user information store, which holds for a user a plurality of identities in association with the first serving controller, the plurality of identities being associated with respective registration statuses selected from a registered status and an unregistered status; (Pg.11; 21-Pg.14; 8),

A second serving controller (22-23; Fig.1) configured to transfer to the user information store a user authentication request identifying the user; and wherein the user information store is operable to detect the user authentication request and comprises means for inserting into a registration termination request issued to the first serving controller each identify of that user, which was newly associated to the second serving controller as a result of the user authentication request, (Pg.11; 21-Pg.14; 8), and

Wherein the first serving controller is operable, responsive to the registration termination request, to i) issue a re-registration notification to the user including each identity which has a registered status and which was not assigned to the second serving controller as a result of the user authentication request, and ii) disassociate all identities of the said user from the first serving controller. (Pg.14; 16-Pg.15; 21).

As per claim 9, BAJKO teaches:

A communications system according to claim 8, wherein the user information store comprises a home subscriber server. (24; Fig.1, Pg.9; 5-10)

As per claim 10, BAJKO teaches:

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A communications system according to claim 8, wherein the serving controller comprises a call state control function. (22-23; Fig.1, Pg.8; 25-32)

As per claim 11, BAJKO teaches:

A communications system according to claim 8, wherein the communications system is wireless. (1; Fig.1, Pg.8; 7-15)

As per claim 12, BAJKO teaches:

A communications system according to claim 8, wherein said plurality of identities includes a shared identity which is associated with at least one other user. (i.e. ID's; Pg.12; 1-31).

As per claim 13, BAJKO teaches:

A communications system according to claim 12, wherein the first serving controller is operable to issue a re-registration notification to the at least one other user. (i.e. ID's; Pg.12; 1-31).

As per claim 14, BAJKO teaches:

A serving controller (31; Fig.1); for use in a system for providing communication between users, the serving controller having an interface adapted to communicate with a user information store, whereby a plurality of identities, each with respective registration statuses, (Pg.11; 21-Pg.14; 8),

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Associate a user with the serving controller and being operable, responsive to a registration termination request received from the user information store, to i) issue a re-registration notification to the user including each identity which has a registered status and which incorrectly associates the user with the first serving controller, and ii) disassociate all identities of the said user from the serving controller. (Pg.14; 16-Pg.15; 21).

As per claim 15, BAJKO teaches:

A serving controller according to claim 14, which is operable to disassociate all identities of the said user by removing the identities and their data in the serving controller and by removing their association in the user information store. (i.e. ID's forced to move to the newly selected S-CSCF2 or not; Pg.14; 30-Pg.15; 13).

As per claim 16, BAJKO teaches:

A serving controller according to claim 14, which is operable to read a deregistration reason in the registration termination request. (i.e. ID's forced to move to the newly selected S-CSCF2 or not; Pg.14; 30-Pg.15; 13).

As per claim 17, BAJKO teaches:

A serving controller according to claim 14, which is operable to issue a re-registration notification to any other users sharing one of the said identities. (i.e ID's; Pg.14; 16-Pg.15; 21).

As per claim 18, BAJKO teaches:

A communications system, utilizing the reassignment of user data comprising a plurality of identities for each user, (Abstract, Pg.1; 5-8, Pg.10; 4-13), the system comprising:

Storing means for storing in a user information store a plurality of identities in association with a first serving controller, the plurality of identities being associated with respective registration statuses selected from a registered status and an unregistered status; detecting means for detecting that a user has requested a registration to a second serving controller using at least one of said plurality of identities; issuing means for issuing a registration termination request identifying the at least one of the plurality of identities, which has been newly assigned to the second serving controller as a result of the requested registration; (Pg.11; 21-Pg.14; 8),

Notification means for issuing a re-registration notification to the user including the at least one of the plurality of identities which has a registered status and which was not assigned to the second serving controller as a result of the requested registration; and disassociating means for disassociating all identities of the said user from the first serving controller; wherein the notification and disassociating means are responsive to the registration termination request. (Pg.14; 16-Pg.15; 21).

As per claim 19, BAJKO teaches:

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A system according to claim 18, wherein the disassociating means comprises removing means for removing the all identities and their data from the first serving controller, and removing their association in the user information store with the first serving controller. (i.e. ID's forced to move to the newly selected S-CSCF2 or not; Pg.14; 30-Pg.15; 13).

As per claim 20, BAJKO teaches:

A system according to claim 18, wherein the plurality of identities include a set of unregistered statuses, and wherein the set is disassociated but not reassigned. (i.e. ID's forced to move to the newly selected S-CSCF2 or not; Pg.14; 30-Pg.15; 13).

As per claim 21, BAJKO teaches:

A system according to claim 18, wherein the detecting means comprises receiving means for receiving at the user information store an authentication request. (Pg.12; 1-12, and 26-31).

As per claim 22, BAJKO teaches:

A system according to claim 18, wherein at least two users have a shared identity and a non-shared identity and the system further comprises checking means for checking, when the non-shared identity has been newly assigned to the second serving controller, whether the user has the shared identity and, if so, the notification means is configured to issue a re-registration notification to other users sharing the shared identity. (i.e. ID's; Pg.14; 16-Pg.15; 21).

Conclusion

IX. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sharad Rampuria whose telephone number is (571) 272-7870. The examiner can normally be reached on M-F. (8:30-5).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, George Eng can be reached on (571) 272-7495. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://portal.uspto.gov/external/portal/pair>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free) or EBC@uspto.gov.

Sharad Rampuria
Examiner
Art Unit 2617


GEORGE ENG
SUPERVISORY PATENT EXAMINER